

CDF Weekly Operations Report

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Weekly Store Summary January 7-14 2008

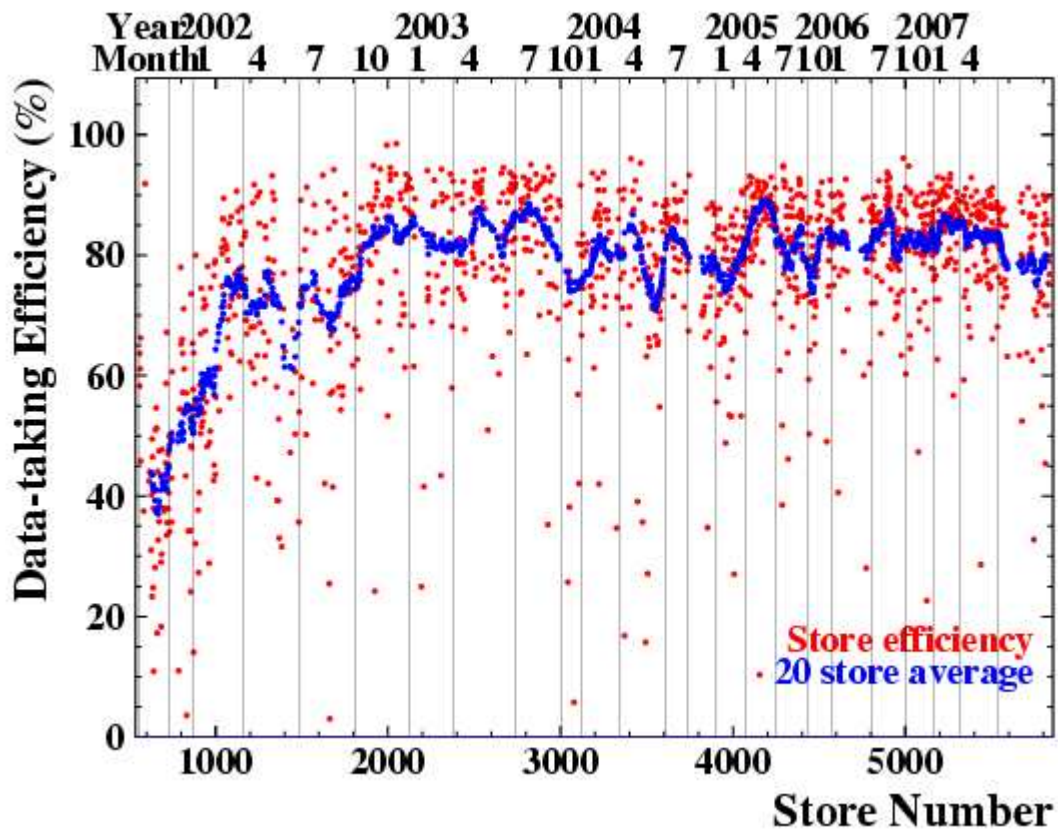
Store	Date	Length (hr)	Start Lumi (E30)	Deliv'd (pb^{-1})	Live (pb^{-1}) (with Si)	ϵ (%) (with Si)	Comments (sources of down-time)
5832	07-08 (Mon)	12.2	259.2	5.76	4.55 4.55	79.1 79.1	DAQ Si DAQ Plug HV trip
5835	08-08 (Tue)	30.9	269.5	9.84	7.56 6.75	76.8 68.6	Si DAQ, Si trip DAQ CPU
5837	10-08 (Thu)	18.0	188.3	5.37	4.65 4.61	86.5 85.9	Si DAQ μ (BMU) HV
5838	11-08 (Fri)	20.4	223.5	6.91	3.28 2.28	47.4 33.0	Solenoid Cryo Si crate fan μ (BMU) trip
5841	12-08 (Sat)	12.2	259.2	6.85	5.90 5.76	86.1 84.0	DAQ Plug HV CPR, CLC
5842	13-08 (Sun)	20.5	212.3	6.33	5.64 5.64	89.0 89.0	Plug HV trip μ eX (CMX) trip Si DAQ

- Solenoid Cryogenics (valve, next slide) were the biggest source of dead time this week: Store 5838 . For now we have fixed this
- Tev Delivered 41.1 pb^{-1} , we took 31.6 pb^{-1} , with Silicon: 29.6 pb^{-1}
- Average efficiency this week 76.9 %, with Silicon: 72.0 % (Run -II luminosity weighted average is 81.6 %)

CDF Operations: Maintenance, external issues

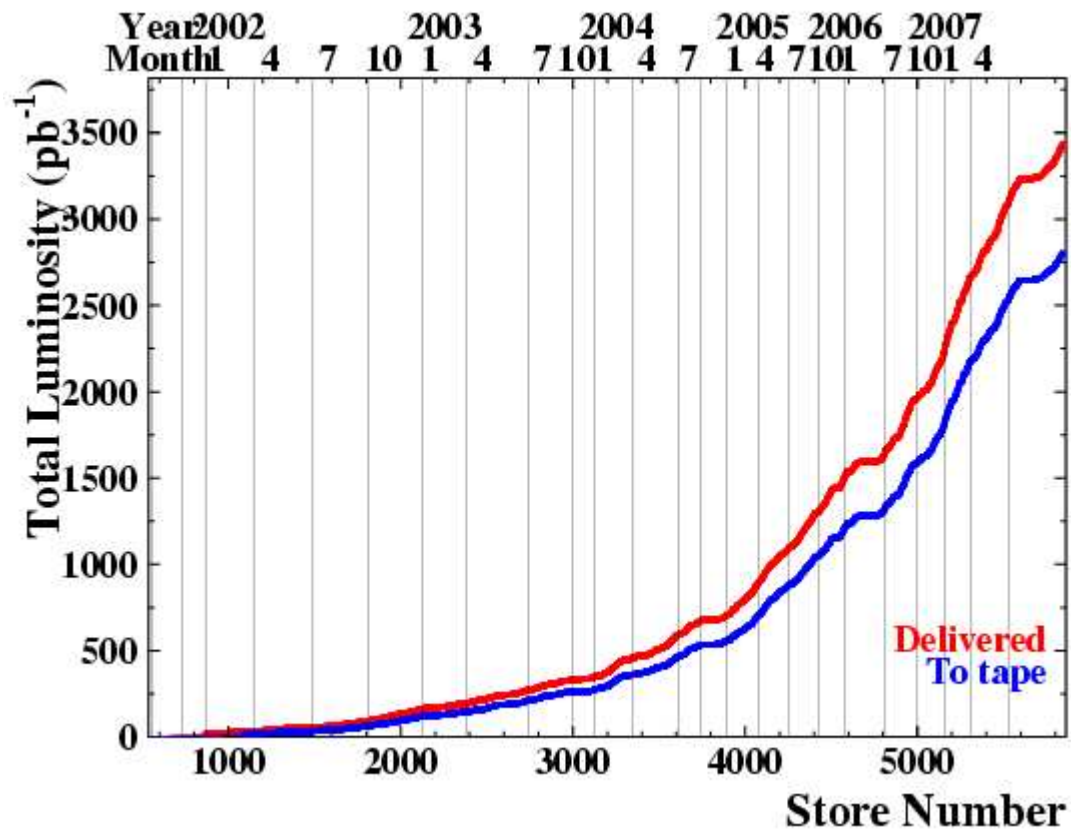
- Solenoid Cryogenics issue:
 - Valve in the return line from the control dewar to storage dewar had contaminants (one hypothesis:solid air)
 - Drop in flow rate from storage to control dewar caused the magnet to trip
 - We are only using the valve stem without the bullet, thus enlarging the orifice
 - Have been running problem free since 2030 Friday
- We sincerely apologize for dropping the interlocks today

Store Summary January 7-14



- Average efficiency: 81.6%, this week 76.9%
- After difficult patch this week we will hopefully continue to improve..

Summary January 7-14 2007



- Total accumulated Run-II 2805 pb^{-1}
- Accumulated this week: 31.6 pb^{-1}